



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RBW6205G19332-3G-1

Job Sheet 186570



Part No: RBW6205G19332-3G-1

Job Qty: 4 ea

Part Name: Draw Bolt



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/17/18

Job Tracking No:

Due Date: 12/28/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG RB RBW6205G19332-3G Rev 3 IPP Rev A 18.03.09 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	4 Ea		12/28/18	0.00	0.00	Start Up Machining-3		JB 19-01-18
110	CNC Lathe	4 pcs		12/28/18	0.00	2.00	SL-154		JB 19-01-18
120	QC	4 pcs		12/28/18	0.00	0.00	QC2 Machining-4		JB 19-01-18
130	QC	4 pcs		12/28/18	0.00	0.00	QC8 Machining-4		JB 19-01-18
180	Outsource	4 pcs		12/28/18			GRO002-VC	10	19-01-20
190	Packaging	4 pcs		12/28/18	0.00	0.00	Packaging2		JAN 28 2019
200	QC	4 pcs		12/28/18	0.00	0.00	QC6		28 9-86
210	Packaging	4 pcs		12/28/18	0.00	0.00	Packaging3-1		28 9-86
220	QC21-SA	4 Ea		12/28/18	0.00	0.00	QC21		28 9-86

Part Op 110 - 1-Machine as per DWG. FC193 FOLIO REV: _____ DWG REV: JAN 28 2019-Debur

Descriptions: 120 - Engrave T/N and/or P/N number using Marktronic engraver as per DWG. ***See engineering for engraving sign off***

180 - -Issue P/O to Groupe Altech: P/O 042341 -Zinc plate, ASTM B633 TYPE 2 SC2 -Color yellow -Certificate of Conformity is required

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
MT-4140QT-R1.750	AISI 4140 Quenched & Tempered Steel Round Bar 1.750" Dia.	2.9200 ft (.73 ea)	90-Start up Operation	S18658

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	MT-4140QT-R1.750	3	16	0



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaero.com

Container No: S145993



Part: RBW6205G19332-3G-1

Job No: 186570

Serial No/Batch: S145993

Revision: 3

Inspector:

Exp Date:

Instructions:

Date: 01/18/19

tions

not be found.

Plex 11/19/18 8:31 AM Dart.lajeunesse.marie

DAS
62
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

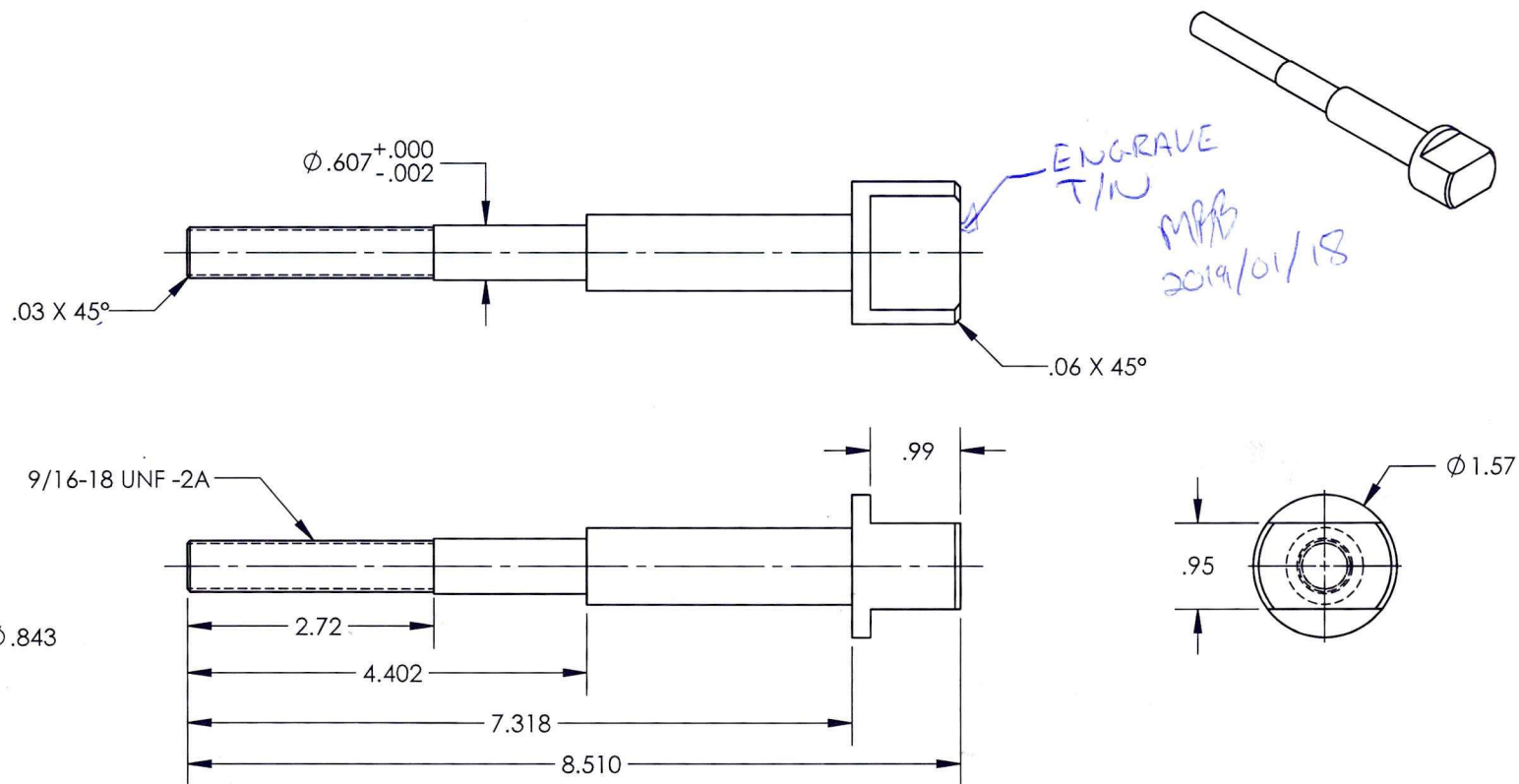
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐				

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REVISIONS				DATE	INITIAL	APPROVED
REV	ECR	DESCRIPTION				
2	15-0103	-1 DELETED ENGRAVE NOTE.			5/12/15	RJC JAG



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 186570 MWS
18-11-19

(-1)
DRAW BOLT

DART AEROSPACE	
TITLE M/R SCISSOR BUSHING REMOVAL TOOL	
DWG NO. RBW6205G19332-3G-1	REV 3
MATL 4140/4142 Q&T	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 .XX ± .01 .X ± .1	HEAT TREAT FINISH YELLOW ZINC
FRACTIONS ± 1/8 ANGLES ± 5°	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL AW139
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:2	DATE 7/8/2009
SHEET 2 OF 5	

DART AEROSPACE LTD		Work Order: 186570
Description: Draw Bolt		Part Number: RBW 6205 G19332-361
Inspection Dwg:	Rev: 3	Page 1 of 1

[illegible]

Engineering Approval: (If necessary)		Date:
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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada
Tel (613) 632-5200

PURCHASE ORDER PO042341



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

PO No: PO042341
PO Date: 1/21/19
Due Date: 1/25/19
**Purchase Order
Revision:**
Revision Date:
Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 60
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	186062	RBE105-31702W14-1	Drift -Issue P/O; -Zinc plate, ASTM B633 TYPE 2 SC2 -Color; yellow -Material type; 4140 -Certificate of Conformity is required	Firmed	-	1/25/19	9 pcs	0 pcs	9 pcs	\$2.6470588/pcs	\$23.82
Line Item Note ** asap : (**											
2	188456	RBW6430G02931-8G	Extractor YELLOW OR BLACK ZINC PER ASTM B633 TYPE 2 CLASS 2 CERTIFICATE OF CONFORMANCE IS REQUIRED	Firmed	-	1/25/19	6 pcs	0 pcs	6 pcs	\$2.6470588/pcs	\$15.88
3	188502	RBEL135M-2901-101-21	Slide -Issue P/O -Zinc plate, ASTM B633 TYPE 1 SC2 -Color; Clear -Material type; 1018 -Certificate of Conformity is required	Firmed	-	1/25/19	10 pcs	0 pcs	10 pcs	\$9.00/pcs	\$90.00

Line Item Note ** NEED BY FRIDAY 01/25 **



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PURCHASE ORDER

PO042341



Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	187498	RB T103216-101	Spanner Assembly Outsource13 (Outside Processing - Zinc Plating) -Issue P/O to GROUPE ALTECH: P/O -Zinc plate, ASTM B633 TYPE 2 SC2 -Color; yellow -Material type; 4140 -Certificate of Conformity is required	Firmed	-	1/25/19	4 pcs	0 pcs	4 pcs	\$2.6470588/pcs	\$10.59
5	186570	RBW6205G19332-3G-1	Draw Bolt -Issue P/O to Groupe Altech: P/O -Zinc plate, ASTM B633 TYPE 2 SC2 -Color yellow -Certificate of Conformity is required	Firmed	-	1/25/19	5 pcs	0 pcs	5 pcs	\$2.6470588/pcs	\$13.24
6	186573	RBW6205G19432-3G-1	Draw Bolt -Issue P/O to Groupe Altech: P/O -Zinc plate, ASTM B633 TYPE 2 SC2 -Color yellow -Certificate of Conformity is required	Firmed	-	1/25/19	4 pcs	0 pcs	4 pcs	\$2.6470588/pcs	\$10.59

Line Item Note ** For Friday morning please **

7	188457	RBW6521G00131-8G	Oil Seal Installation / Removal Kit YELLOW ZINC PER ASTM B633, TYPE 2 CLASS 2	Firmed	-	1/25/19	6 pcs	0 pcs	6 pcs	\$8.8970588/pcs	\$53.38
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Line Item Note:

Certificate of conformity is required



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PURCHASE ORDER PO042341



Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
Grand Total:											\$217.50

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 1/22/19 10:46 AM dart.tsimiklis.chrisoula



Certificat de Conformité / Certificate of Compliance

(016161-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

016161 - 1

Livré à / Ship to

DART AEROSPACE LTD

1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD

1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.				
22-Jan-2019		Aman		042341 ✓				
#Ligne Line#	No. de Série / # Pièce Part Number /Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir/ Back Order
1	RBE105-31702W14-1 ✓ Rev.	RBE105-31702W14-1 ZINC PLATE ASTM B633 TYPE 2 SC2	ZINC CH	9	9 ✓	0	0	0
2	RBW6430G02931-8G ✓ Rev.	RBW6430G02931-8G ZINC PLATE ASTM B633 TYPE 2 CLASS 2	ZINC CH	6	6 ✓	0	0	0
3	RBEL135M-2901-101-21 ✓ Rev.	RBEL135M-2901-101-21 ZINC PLATE ASTM B633 TYPE 1 SC2	ZINC CH	10	10 ✓	0	0	0
4	RBT103216-101 ✓ Rev.	RBT103216-101 ZINC PLATE ASTM B633 TYPE 2 SC2	ZINC CH	4	4 ✓	0	0	0
5	RBW6205G19332-3G-1 ✓ Rev.	RBW6205G19332-3G-1 ZINC YELLOW ASTM B633 TYPE 2 SC2	ZINC CH	5	5 ✓	0	0	0
6	RBW6205G19432-3G-1 ✓ Rev.	RBW6205G19432-3G-1 ZINC YELLOW B633 TYPE 2 SC2	ZINC CH	4	4 ✓	0	0	0
7	RBW6521G00131-8G ✓ Rev.	RBW6521G00131-8G STRIP ZINC YELLOW PER ASTM B633 TYPE 2 CLASS 2	ZINC CH	20	20 ✓	0	0	0

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.